

U.S. ENVIRONMENTAL PROTECTION AGENCY
CLP Sample Management Office
P.O. Box 818 - Alexandria, Virginia 22313
Phone: 703/557-2490 - FTS/557-2490

SAS Number

48085

SPECIAL ANALYTICAL SERVICES

Client Request - EPA Region 10

☒ Regional Transmittal☐ Telephone Request

- A. EPA Region/Client: Region 10
- B. RSCC Representative: Laura Castrilli
- C. Telephone Number: (206) 442-4323 FTS 399-4323
- D. Date of Request: July 17, 1989.
- E. Site Name: Old Larson Air Force Base Moses Lake, WA
- F. 2 digit Superfund site identifier: ZZ

Please provide below description of your request for Special Analytical Services under the Contract Laboratory Program. In order to most efficiently obtain laboratory capability for your request, please address the following considerations, if applicable. Incomplete or erroneous information may result in a delay in the processing of your request. Please continue response on additional sheets, or attach supplementary information as needed.

Justification for quick turnaround SAS: _____

- General description of analytical service requested: The samples will be analysed for total dissolved solids, alkalinity to include carbonate and bicarbonate measurements, and hardness. All methods will be taken from EPA Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, and will be as specified in item #7.
- Definition and number of work units involved (specify whether whole samples or fractions; whether organics or inorganics; whether aqueous or soil and sediments; and whether low, medium or high concentration):
There will be 36 low water samples for these analyses.
- Purpose of analysis (specify whether Superfund (enforcement or remedial action, RCRA, NPDES, etc.): The samples will be collected from a super-fund site investigation site.

USEPA SF



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4. Estimated date(s) of collection: The samples will be collected the
week of July 31st.
5. Estimated date(s) and method of shipment: The samples will be shipped
August 1st through August 3rd via Federal Express.
6. Number of days analysis and data required after laboratory receipt of
samples: Analysis should be completed within 24 hours of sample receipt.
The data package must be prepared within the standard forty days.
7. Analytical protocol required (attach copy if other than a protocol cur-
rently used in this program): All methods are attached and are refer-
enced in EPA's Methods for Chemical Analysis of Water and Wastes, EPA
600/4-79-020. The methods to be used are as follows: total dissolved
solids - Method 160.1 or 160.2 (Gravimetric); alkalinity - Method 310.1
or 310.2 (Titrimetric); and hardness - Method 130.1 or 130.2 (Colori-
metric). All methods are attached.
8. Special technical instructions (if outside protocol requirements, specify
compound names, CAS numbers, detection limits, etc.): _____

9. Analytical results required (if known, specify format for data sheets, QA
/QC reports, Chain-of-Custody documentation, etc.) If not completed, for-
mat of results will be left to program discretion. All bench sheets and
calculations, instrument readings, standard and continuing calibrations
and quality assurance data must be included in the data package. Also,
any problems or method changes must be noted in the case narrative.
11. Name of sampling/shipping contact: Tim Syverson, Ecology and Environment
Phone: (206) 624-9537

12. Data Requirements

Parameter	Quantitation Limit	Precision Desired (% or Concentration)
TDS	20 mg/l	
Alkalinity (carbonate and bicarbonate)	2 mg/l 20 mg/l	
Hardness	10 mg/l	

13. QC Requirements

Audits Required	Frequency of Audits	Limits (% or Concentration)
Lab Blank	one per 10 samples	less than quantitation limits
Lab Duplicate	one per 10 samples	+ 10%
For alkalinity: one lab control sample	one per sample set	90-110% recovery

14. Action Required if Limits are Exceeded

Take corrective action and reanalyze samples and call Mike Schlender, QA chemist, at 206-442-2111, or Gerald Muth, Regional DPO, at 206-442-0370 immediately.

Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please contact your Regional representative at the Sample Management Office

USGS methods mainly for anions.

want silica + sodium which are additional
to CLP SOWs

MEMORANDUM
OF CALL

Previous editions usable

TO:

Bryce

☒ YOU WERE CALLED BY—

☐ YOU WERE VISITED BY—

Michael Bauli

OF (Organization)

WRI

☒ PLEASE PHONE ►

☐ FTS

☐ AUTOVON

307-721-2242

☐ WILL CALL AGAIN

☐ IS WAITING TO SEE YOU

☐ RETURNED YOUR CALL

☐ WISHES AN APPOINTMENT

MESSAGE

For the metals procedure,
do they have to ~~st~~ stick to
the USGS Method?

RECEIVED BY

DATE

TIME

63-110 NSN 7540-00-634-4018

STANDARD FORM 63 (Rev. 8-81)

Prescribed by GSA

FPMR (41 CFR) 101-11.6